

Please type a plus sign (+) inside this box

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 015389-002980US

First Inventor

Thomas R. Cech et al.

Title

NOVEL TELOMERASE

Express Mail Label No.

EL670763213US

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning design patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 87]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C.113) [Total Sheets 82]
5. Oath or Declaration [Total Pages 7]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☒ paper number of pages 139
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17. ☒ Other: Communication Regarding CRF of Sequence Listing Under 37 CFR 1.821(e)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 09 / 843,676

Prior application information:

Examiner To be assigned

Group Art Unit: 1646

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

20350

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Hugh Wang

Registration No. (Attorney/Agent)

47,163

Signature

Date

January 18, 2002

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PA 3195961 v1

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision

**Complete if Known**

|                      |                      |
|----------------------|----------------------|
| Application Number   | Not yet assigned     |
| Filing Date          | January 8, 2002      |
| First Named Inventor | Thomas R. Cech et al |
| Examiner Name        | Not yet assigned     |
| Group Art Unit       | Not yet assigned     |
| Attorney Docket No.  | 015389-002980US      |

**TOTAL AMOUNT OF PAYMENT** (\$) 776**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to

Deposit  
Account  
Number

20-1430

Deposit  
Account  
Name

Townsend and Townsend and Crew LLP

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status  
See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:**

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101                  | 740                   | 201                  | 370                   | Utility filing fee     | 740      |
| 106                  | 330                   | 206                  | 165                   | Design filing fee      |          |
| 107                  | 510                   | 207                  | 255                   | Plant filing fee       |          |
| 108                  | 740                   | 208                  | 370                   | Reissue filing fee     |          |
| 114                  | 160                   | 214                  | 80                    | Provisional filing fee |          |

**SUBTOTAL (1)**

(\$740)

**2. EXTRA CLAIM FEES**

| Total Claims                   | Extra<br>Claims | Fee from<br>below | Fee<br>Paid |
|--------------------------------|-----------------|-------------------|-------------|
| 22 -20** =                     | 2               | \$18              | \$36        |
| Independent<br>Claims 3 -3** = | 0               | \$84              | \$0         |
| Multiple<br>Dependent          |                 |                   |             |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                     |
| 102                  | 84                    | 202                  | 42                    | Independent claims in excess of 3                          |
| 104                  | 280                   | 204                  | 140                   | Multiple dependent claim, if not paid                      |
| 109                  | 84                    | 209                  | 42                    | ** Reissue independent claims over original patent         |
| 110                  | 18                    | 210                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$36)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|--|----------|
| 105                  | 130                   | 205                  | 65                    | Surcharge - late filing fee or oath  |          |
| 127                  | 50                    | 227                  | 25                    | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139                  | 130                   | 139                  | 130                   | Non-English specification  |          |
| 147                  | 2,520                 | 147                  | 2,520                 | For filing a request for reexamination                                     |          |
| 112                  | 920*                  | 112                  | 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 113                  | 1,840*                | 113                  | 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 115                  | 110                   | 215                  | 55                    | Extension for reply within first month                                     |          |
| 116                  | 400                   | 216                  | 200                   | Extension for reply within second month                                    |          |
| 117                  | 920                   | 217                  | 460                   | Extension for reply within third month                                     |          |
| 118                  | 1,440                 | 218                  | 720                   | Extension for reply within fourth month                                    |          |
| 128                  | 1,960                 | 228                  | 980                   | Extension for reply within fifth month                                     |          |
| 119                  | 320                   | 219                  | 160                   | Notice of Appeal   |          |
| 120                  | 320                   | 220                  | 160                   | Filing a brief in support of an appeal                                     |          |
| 121                  | 280                   | 221                  | 140                   | Request for oral hearing   |          |
| 138                  | 1,510                 | 138                  | 1,510                 | Petition to institute a public use proceeding                              |          |
| 140                  | 110                   | 240                  | 55                    | Petition to revive - unavoidable   |          |
| 141                  | 1,280                 | 241                  | 640                   | Petition to revive - unintentional   |          |
| 142                  | 1,280                 | 242                  | 640                   | Utility issue fee (or reissue)   |          |
| 143                  | 460                   | 243                  | 230                   | Design issue fee   |          |
| 144                  | 620                   | 244                  | 310                   | Plant issue fee  |          |
| 122                  | 130                   | 122                  | 130                   | Petitions to the Commissioner  |          |
| 123                  | 50                    | 123                  | 50                    | Petitions related to provisional applications                              |          |
| 126                  | 180                   | 126                  | 180                   | Submission of Information Disclosure Stmt                                  |          |
| 581                  | 40                    | 581                  | 40                    | Recording each patent assignment per property (times number of properties) |          |
| 146                  | 740                   | 246                  | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                  | 740                   | 249                  | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179                  | 740                   | 279                  | 370                   | Request for Continued Examination (RCE)                                    |          |
| 169                  | 900                   | 169                  | 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify)

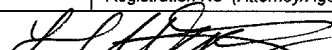
The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$)

**SUBMITTED BY****Complete (if applicable)**

|                   |   |                                  |        |           |                  |
|-------------------|---|----------------------------------|--------|-----------|------------------|
| Name (Print/Type) | Hugh Wang   | Registration No (Attorney/Agent) | 47,163 | Telephone | 650-326-2400     |
| Signature         |  |                                  |        | Date      | January 18, 2002 |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Cech et al.

Application No.: To be assigned

Filed: Herewith

For: NOVEL TELOMERASE

Examiner: To be assigned

Art Unit: To be assigned

Communication Regarding CRF of Sequence  
Listing under 37 C.F.R. 1.821(e)

Assistant Commissioner for Patents  
U. S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In order to comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, 37 C.F.R. §§ 1.821-1.825, Applicants submit herewith the required paper copy of the Sequence Listing. Applicants request use of the acceptable computer-readable form filed in the parent Application No. 08/854,050 (filed May 9, 1997, now Patent No. 6,261,836; Attorney Docket No.: 015389-002940US) as the computer-readable form for the instant application, pursuant to 37 C.F.R. § 1.821(e). It is understood that the Patent and Trademark Office will make the necessary changes in application number and filing date for the computer-readable form that will be used for the instant application.

Pursuant to 37 C.F.R. 1.821(e), Applicants attest that the paper copy of the Sequence Listing filed herewith is identical to the paper copy and computer readable copy of the sequence listing submitted in the parent Application No. 08/854,050, and introduces no new matter.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



Hugh Wang  
Reg. No. 47,163

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